Ve Zee News

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This is the 11th issue of Ve Zee News and I am sorry to say that next months will be the last.

Unfortunately other commitments no longer permit me to spend the time required to produce Ve Zee News. To the many readers who have sent in programs and other contributions I say thank you, without your help there would be no newsletter.

There are now a couple of other newsletters for the VZ200/300 so I hope that they will continue to fill the needs of VZ users.

John Waters

** HELP WANTED **

A young (13 year old) boy has a colour problem with his vz 200, when he bought it to me it was only in monochrome so we opened the case and turned it on only to be greated with colour display, thinking this too good to be true we replaced the cover and turned it back on again, yes back to monochrome again, so of comes the back again yes back to colour again, so to cut a long story short we found by pressing on the p.c.b we could make it go from colour to black & white. As the computer works normal in either mode I assume it to be in the colour output somewhere either a dry solder joint or a hairline crack on the board, as I don't have any technical knowledge (only what I have read and I have built the "DREAM 6800")maybe someone with some more knowledge of of these things could suggest where to look. If so could you please write to..

R.G.DAVIS
8 AVOCARDO ST
MILDURA 3500

NEWSLETTER INFORMATION

```
## PRINTER STATUS CHECK ##
10 IF INP(0)<>0 THEN GOTO 2000
1999 END
2000 PRINT"PRINTER NOT TURNED ON OR ELSE
 NOT CONNECTED"
2010 SOUND20,2;10,3;28,3
2011 END
```

==========

```
## CHANGE THE FOLLOWING TWO LINES
## IN ISSUE #9 IN THE PROGRAM
## ' CASSETTE INSERTS '
## TO AS SHOWN BELOW

730 LPRINT"S2":LPRINT"P  TAPE NO":LPRINT
"L5,J100,0"
735 LPRINT"L0":LPRINT"I":LPRINT"M-230,-1
00"
```

==========

```
## ALTHOUGH MY NAME APPEARED ON THE
KEYBOARD PROJECT -- THE ORIGINAL
DESIGN CAME FROM RON CARSON AND CREDIT
MUST BE GIVEN TO HIM FOR THE PROJECT
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Dave Boyce.

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LABEL MAKER

CONTINUED FROM PAGE 4

```
300 LPRINT"I":READA,C,E,F,G:REM PRINT BO
RDER
310 C$=STR$(C):E$=STR$(E):F$=STR$(F):G$=
STR$(G)
320 X$=STR$((LEN(N$)*30)+A)
330 P$="J"+X$+",0":LPRINTP$
340 Q$="J0,"+C$:LPRINTQ$
350 X$=STR$((LEN(N$)*-30)-A)
360 P$="J"+X$+",0":LPRINTP$
370 Q$="J0,"+E$:LPRINTQ$
380 LPRINT"I":R$="M"+F$+","+G$:LPRINTR$
390 RETURN
400 DATA20,-160,160,10,-10,0,-140,140,10
,-10,-20,-120,120,25,-55
```

BY COLIN HUDSON

```
1 CLS:PRINT"STOP THE TAPE":SOUND20,2;0,9
;0,9
5 CLS:INPUT"DO YOU WANT INSTRUCTIONS";A$
:IFLEFT$(A$,1)="N",1000
7 INPUT"DO YOU WANT A PRINT OUT";A$:IFA$
="Y"THENFx=-1ELSEFx=0
10 CLS:PRINT"INSTRUCTIONS"
20 PRINT"DRAWING IS A PROGRAM WHICH
 ALLOWS THE USER TO ";
30 PRINT"DRAW ON ,":PRINT"PRINT AND LOAD
/SAVE VZ-200"
35 PRINT"HI-RES GRAPHICS SCREENS."
40 PRINT"MOVEMENT OF THE CURSOR ACROSS
 THE SCREEN IS DONE BY";
50 PRINT" THE":PRINT"(W,A,S,Z) CLUSTER O
F KEYS":PRINT
60 PRINT"W UP","A LEFT","S RIGHT","Z DOW
N":PRINT
70 PRINT"THESE KEYS DO NOT DRAW OR ERASE
."
75 GOSUB500
80 PRINT"COLORS ARE CHANGED BY THE FIRST
 FOUR NUMBER KEYS"
90 PRINT"THERE ARE FOUR DRAWING MODES ,
 NAMELY DRAW,CIRCLE,";
100 PRINT"FILL AND":PRINT"LINES."
110 PRINT"DRAW MODE USES THE (IJKM)":PRI
NT"CLUSTER OF KEYS IN";
120 PRINT" ADDITION TO  THE (WASZ) CLUST
ER."
130 PRINT"TO IMPLEMENT A FILL MOVE THE":
PRINT"CURSOR INTO POSITION ";
140 PRINT"AND PRESS  THE ZERO KEY (0).":
PRINT
145 GOSUB500
150 PRINT"TO USE CIRCLE MODE MOVE THE
  CURSOR TO THE CIRCLE";
160 PRINT" CENTRE AND PRESS ZERO THEN MO
VE TO THE     CIRCLE";
170 PRINT" PERIMETER AND PRESS THE  MINU
S (-) KEY."
175 GOSUB500
180 PRINT"BEFORE THE LINES SCREEN IS SHO
WNTHE PROGRAM WILL";
190 PRINT" ASK FOR A RATIOWHICH IS A SIN
GLE NUMBER AND    ALLOWS";
200 PRINT" DOTTED LINES TO BE DRAWN."
210 PRINT"TO DRAW A LINE MOVE THE CURSOR
  TO ONE END OF THE ";
220 PRINT"LINE AND PRESSTHE ZERO KEY THE
N MOVE TO THE   OTHER";
230 PRINT" END AND PRESS THE MINUS":PRIN
T"KEY":PRINT:GOSUB500
240 PRINT"TO EXIT FROM ANY DRAWING MODE
  HIT THE E KEY.":PRINT
250 PRINT"THE PROGRAM ALSO CONTAINS A":P
RINT"PRINT ROUTINE TO DUMP A";
260 PRINT" SCREEN":PRINT"TO THE DICK SMI
TH PRINTER":PRINT"PLOTTER ";
270 PRINT"OR A SIMILAR DEVICE"
280 GOSUB500
400 GOTO1000
500 IFFxTHENCOPY
510 PRINT"HIT <C> TO CONTINUE"
520 A$=INKEY$
530 A$=INKEY$:IFA$<>"C"THEN530
540 CLS:RETURN
1000 POKE30884,0:POKE30885,131:POKE131*2
56-1-65536,0
1010 PRINT:PRINT"START THE TAPE":CRUN"DR
AWING"
```

DRAWING PROGRAM

```
10 POKE30884,0:POKE30885,131:POKE30969,0
:POKE30970,145
20 REM  DRAWING VERSION 2.2
30 REM  FOR 22K VZ-200
40 REM  WRITTEN WITH BASIC V1.1
50 REM  14 MARCH 1985
60 CLEAR150:POKE30863,121:POKE30862,234
70 Y=30:X=64:FORW=0TO10:POKE30977+W,2:NE
XT:DIMA(128,4)
80 CLS:PRINT"  WELCOME TO DRAWING":SOUND
18,1;0,9;0,9
110 GOSUB840
120 GOSUB160:IFZ$<"A"ORZ$>"I"THEN120
130 CLS:X=63:Y=31
140 ONASC(Z$)-64GOSUB690,490,580,260,119
0,1040,730,1010,890
150 GOSUB840:GOTO120
160 Fx=0:Z$=INKEY$:FORW=1TO50:Z$=INKEY$:
IFZ$<>""THENFx=-1:W=51
180 NEXT:RETURN
190 DATA1,0,8,17,0,112,33,234,122,237,17
6,201
200 MODE(1):RESTORE:FORW=0TO11:READA:POK
E31210+W,A:NEXT
210 A=USR(0):RETURN
230 RESTORE:FORW=0TO11:READX:POKE31210+W
,X:NEXT
240 POKE31214,234:POKE31215,122:POKE3121
7,0:POKE31218,112
250 A=USR(0):RETURN
260 PRINT"CLEAR SCREEN.  ARE YOU SURE ?"
262 GOSUB160:IFZ$<>"Y"ANDZ$<>"N"THEN262
265 IFZ$="Y"THENMODE(1):GOSUB230
266 RETURN
270 IFY>63THENY=63
280 IFY<0THENY=0
290 IFX<0THENX=0
300 IFX>127THENX=127
310 H=POINT(X,Y)
320 RESET(X,Y):GOSUB160:IFFxTHEN340
330 COLORC:SET(X,Y):GOSUB160:IFNOTFxTHEN
320
340 COLORH:SET(X,Y):COLORC
345 Fx=0:IFZ$="E"THENFx=-1
350 IFZ$="A"THENX=X-1
360 IFZ$="S"THENX=X+1
370 IFZ$="W"THENY=Y-1
380 IFZ$="Z"THENY=Y+1
390 A=VAL(Z$):IFA<5ANDA>0THENC=A
400 RETURN
410 IFZ$="I"THENSET(X,Y):Y=Y-1
420 IFZ$="M"THENSET(X,Y):Y=Y+1
430 IFZ$="K"THENSET(X,Y):X=X+1
440 IFZ$="J"THENSET(X,Y):X=X-1
450 RETURN
490 C=2:GOSUB200:Tx=0
500 GOSUB270:IFZ$="0"THENX1=X:Y1=Y:Tx=-1
:SOUND20,2
510 IFZ$="-"ANDTxTHENGOSUB540
520 IFNOTFxTHEN500
530 GOSUB230:RETURN
540 R=SQR(((X1-X)/4)^2+((Y1-Y)/3)^2):IFR
=0THENR=.01
545 P=R*3:T=R*4
550 FORW=0TO6.3STEP1/R/4:X=T*SIN(W)+X1:Y
=P*COS(W)+Y1
560 IFY=ABS(Y)ANDX=ABS(X)ANDX<128ANDY<64
THENSET(X,Y)
570 NEXT:X=X1:Y=Y1:RETURN
580 C=2:GOSUB200
590 GOSUB270
```

```
600 IFZ$="0"THENGOSUB625
610 IFNOTF*THEN590
620 GOSUB230:RETURN
625 IFPOINT(X,Y)<>1THENRETURNELSESET(X,Y
)
630 A=-1:B=1:GOSUB650:A=1:B=-1:GOSUB650:
B=1:A=1:GOSUB650
640 B=-1:A=-1:GOSUB650:A=0:B=1:GOSUB650:
A=0:B=-1:GOSUB650:RETURN
650 H=X:I=Y
660 I=I+A:IFI<64ANDI>-1THENIFPOINT(H,I)=
1THENSET(H,I):GOTO660
670 H=H+B:I=Y:IFH>-1ANDH<128THENIFPOINT(
H,I)=1THEN660
680 RETURN
690 GOSUB200:C=2
700 GOSUB270:GOSUB410:IFNOTF*THEN700
710 GOSUB230:RETURN
730 A=INP(2):IFA<>62THENPRINT"SET UP PRI
NTER":SOUND20,2
740 A=INP(2):IFA<>62THEN740
750 LPRINT:GOSUB200:LPRINTCHR$(18):Z(1)=
0:Z(2)=2:Z(3)=1:Z(4)=3
760 FORY=0TO63:T=Y*-4
770 FORX=0TO127:P=POINT(X,Y):IFP=1THENNE
XT:GOTO790
780 A(0,P)=A(0,P)+1:A(A(0,P),P)=X:NEXT
790 FORX=1TO4:IFA(0,X)=0THENNEXT:GOTO830
800 LPRINT"M"A(1,X)*3+50","T:LPRINT"C"Z(
X)
810 FORW=1TOA(0,X):LPRINT"M"A(W,X)*3+50"
,"T
820 LPRINT"J2,0,0,4,-2,0,0,-4":NEXT:A(0,
X)=0:NEXT
830 NEXT:LPRINT"A":RETURN
840 CLS:PRINT" MENU":PRINT:PRINT
850 PRINT"A   DRAW":PRINT"B   CIRCLE":PR
INT"C   FILL"
860 PRINT"D   CLEAR":PRINT"E   BORDER":P
RINT"F   LINES"
870 PRINT"G   PRINT":PRINT"H   LOAD":PRI
NT"I   SAVE"
880 PRINTTAB(10)"ENTER SELECTION":SOUND2
0,2:RETURN
890 CLS:PRINT"SAVE":INPUT"ENTER FILE NAM
E";S$:IFS$=""THEN890
900 PRINT"HIT RETURN WHEN READY":SOUND0,
9
910 GOSUB160:IFNOTF*THEN910
920 IFASC(Z$)<>13THEN910
930 SOUND0,4:PRINT#"NAME",S$:SOUND0,5
940 POKE31208,PEEK(30969):POKE31209,PEEK
(30970)
950 POKE30884,233:POKE30885,122:POKE3096
9,245:POKE30970,130
970 CSAVE"SCREEN"
980 POKE30969,PEEK(31208):POKE30970,PEEK
(31209)
990 POKE30884,0:POKE30885,131:RETURN
1010 INPUT"ENTER FILE NAME";S$:IFS$=""TH
EN1010ELSEPRINT"PRESS PLAY"
1020 INPUT#"NAME",Z$:IFLEFT$(Z$,LEN(S$))
<>S$,PRINT"FOUND "Z$:GOTO1020
1030 PRINT"LOADING "Z$:CRUN"SCREEN"
1040 CLS:INPUT"ENTER RATIO";R:IFR<1ORR>2
000THEN1040
1050 C=2:T*=0:GOSUB200
1060 GOSUB270:IFZ$="0"THENX1=X:Y1=Y:T*=-
1:SOUND20,2
1070 IFZ$="-"ANDT*THENGOSUB1100
1080 IFNOTF*THEN1060
1090 GOSUB230:RETURN
1100 IFY<>Y1,M=(X-X1)/(Y-Y1)ELSE1120
1110 D=R-1:IFABS(M)<1THEN1145
1120 IFX>X1THENA=X1:X1=X:X=A:A=Y1:Y1=Y:Y
=A
1130 IFY1=YTHENK=Y:FORW=XTOX1:T=W:GOSUB1
170:NEXT:GOTO1160
1135 P=Y-X/M
1140 FORW=XTOX1:T=W:K=W/M+P:GOSUB1170:NE
XT:GOTO1160
1145 IFY>Y1THENA=Y1:Y1=Y:Y=A:A=X1:X1=X:X
=A
1150 P=X-Y*M:FORW=YTOY1:K=W:T=W*M+P:GOSU
B1170:NEXT
1160 X=X1:Y=Y1:RETURN
1170 D=D+1:IFD/R<>INT(D/R)THENSET(T,K)
1180 RETURN
1190 CLS:PRINT"ENTER BORDER COLOUR"
1200 GOSUB160:IFNOT(F*)THEN1200
1210 C=VAL(Z$):IFC<1ORC>4THEN1200
1220 SOUND0,9:COLORC:PRINT"ENTER WIDTH"
1230 GOSUB160:IFNOTF*THEN1230
1240 R=VAL(Z$):IFR<1THEN1230
1245 GOSUB200
1250 FORY=RTO63-R:FORX=0TOR-1:SET(X,Y):S
ET(127-X,Y):NEXT:NEXT
1260 W=28672:A=C*85-85:FORX=0TO31:FORY=0
TOR-1:POKEW+X+32*Y,A
1270 POKE30719-X-32*Y,A:NEXT:NEXT
1280 GOSUB230:RETURN
```

This program by Colin Hudson allows you to draw on the Hi Res screen and to load or save screen pictures from or to tape. It also has an option to dump a screen to a printer/plotter. It has not been fully tested on a Basic Version 2.0 machine but should not cause problems.

A special procedure must be followed to type in the main program because it starts at a higher address in memory than usual. Before entering (typing) the main program type,

```
POKE 30884,0:POKE 30885,131
POKE 131*256-1-65536,0:NEW
```

the program can now be typed in as usual.

The instruction program must preceed the main program because line 1000 of the instruction program adjusts the start of basic pointer so the main program can run.

LABEL MAKER

Label Maker was written for the VZ Printer to provide legible labels for homemade jams, preserves etc.

```
RASPBERRY JAM
MADE BY GLADYS HACKSAW
15 MAY 1985
```

```
5 REM LABEL MAKER PWH 5/85
10 CLS:CLEAR200:REM INPUT DATA
20 PRINT@0,"LABEL MAKER  [ENTER X TO EXI
T]"
30 PRINT@32,"***** *****"
40 PRINT@96,"ENTER PRODUCT NAME  [<16 CH
AR]":INPUTN$
45 IFN$="X"THEN10
50 PRINT@160,"ENTER MAKER":INPUT M$
55 IFM$="X"THEN10
60 M$="MADE BY "+M$
65 PRINT@224,"ENTER DATE MADE":INPUT D$
70 IFD$="X"THEN10
75 PRINT@288,"ENTER BORDER COLOUR":INPUT
B$
80 IFB$="X"THEN10
85 PRINT@352,"ENTER WRITING COLOUR":INPU
T W$
90 IFW$="X"THEN10
95 PRINT@416,"HOW MANY LABELS":INPUTL$
100 IFL$="X"THEN10
105 L=VAL(L$)
110 PRINT@480,"PRESS <SPACE> WHEN READY"
120 A$=INKEY$
130 I$=INKEY$:IFI$=""THEN120
135 IFI$="X"THEN10
140 LPRINTCHR$(18)
150 IFB$="BLACK"THENLPRINT"C0"
160 IFB$="BLUE"THENLPRINT"C1"
170 IFB$="GREEN"THENLPRINT"C2"
180 IFB$="RED"THENLPRINT"C3"
190 LPRINT"L3":GOSUB300:LPRINT"L0":GOSUB
300:GOSUB300
200 LPRINT"I":REM PRINT DETAILS
205 PRINT:PRINTN$:PRINTM$:PRINTD$
210 IFW$="BLACK"THENLPRINT"C0"
215 IFW$="BLUE"THENLPRINT"C1"
220 IFW$="GREEN"THENLPRINT"C2"
225 IFW$="RED"THENLPRINT"C3"
230 LPRINT"S3":LPRINTCHR$(17);:LPRINTN$
240 LPRINTCHR$(18);:LPRINT"S1":LPRINTCHR
$(17);
250 OUT12,11
260 LPRINT"     ";:LPRINTM$
270 LPRINT"     ";:LPRINTD$:LPRINT:LPRINT
280 L=L-1:IFL>0THENRESTORE:GOTO140
290 SOUND30,1:SOUND20,2:LPRINT:LPRINT:LP
RINT:GOTO10
```

CONTINUED ON PAGE 1

THIS IS A DEMO PROGRAM FOR NEXT MONTHS PROJECT

```
5 REM VOICE SYNTHESIZER DEMO.
6 REM
7 REM TERRY TRESIDDER MARCH '85
8 REM
10 GOTO 600
20 IF N=1 GOTO 70
30 FOR I=1 TO N-1
40 READ D
50 IF D=255 GOTO 60 ELSE 40
60 NEXT
70 READ D:IF D=255 GOTO 600
80 IF(INP(0)AND1)=0 OUT0,D ELSE 80
90 GOTO 70
200 DATA91,123,88,116,109,126,126,121,74
,95,74,82,98,117,107
210 DATA79,108,95,123,94,95,101,108,89,7
5,84,126,63,255
220 DATA121,114,93,102,88,116,109,75,84,
93,107,70,82,65
230 DATA95,67,85,107,67,93,107,116,76,11
5,101,100,101,98,88
240 DATA114,106,108,79,108,81,102,109,12
6,63,255
250 DATA121,114,67,94,100,88,66,89,95,85
,107,121,114
260 DATA95,118,101,103,107,98,122,78,108
,75,84,126,63,255
270 DATA109,108,102,78,69,105,67,94,111,
72,79,107,85,95,126,126
280 DATA91,108,103,95,85,122,88,108,94,1
22,126,63,255
290 DATA105,118,119,91,111,79,77,85,106,
109,115,77,94,83,89,106
300 DATA122,126,126,90,117,75,77,76,108,
67,110,77,94,85,73,105
310 DATA109,74,88,76,69,97,89,67,105,118
,119,121,115,107,104,88
320 DATA122,115,79,121,114,109,122,88,94
,126,63,255
600 CLS:RESTORE
610 PRINT"1. HELLO,THIS IS YOUR VZ
     SPEAKING"
620 PRINT"2. THE FOLLOWING PHRASES ARE"
630 PRINT"   FROM A POPULAR TV SHOW"
640 PRINT"3. THE DALEKS ARE THE SUPERIOR
     BEING"
650 PRINT"4. WE OBEY DAVROS.HE IS OUR
     LEADER"
660 PRINT"5. YOU HAVE NOT WON DOCTOR.
670 PRINT"   JOIN ME AND I WILL MAKE YOU
"
680 PRINT"   THE RULER OF THE WORLD"
900 PRINT:INPUT"ENTER PHRASE NO. ";N:GOT
O 20
```